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US PATENT & TRADEMARK
OFFICE

Attorney Docket No. 58288 (72021)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: T. Yoon, et al.

EXAMINER: Zachary C. Tucker

U.S.S.N.: 11/034,380 10,645,312

ART UNIT: 1624

FILED: August 20, 2003

CONFIRMATION: 7622

FOR: 5-SUBSTITUTED-2-ARYLPYRAZINES

Mail Stop 16
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR REFUND

I. REFUND REQUEST

This is a request for a refund to our Deposit Account No. 04-1105 with respect to the above-identified application.

☒ application.
☐ patent.

(check the following, if desired, and supply copy of statement)

II. FEES CHARGED FOR WHICH REFUND REQUESTED

AMOUNT OF REFUND
REQUESTED

Filing fee

Search fee

Examination fee

surcharge for filing the basic filing fee on a date
later than the filing date of the application (37
CFR 1.16(e))

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T. Yoon, et. al
USSN 10/645,312
Attorney Docket No. 58288 (72021)

surcharge for filing the oath or declaration on a
date later than the filing date of the application
(37 CFR 1.16(e))

☐ extension of term

☐ first month

☐ second month

☐ third month

☐ fourth month

excess claims

☒ independent claims over 3
108 total claims over 20

2,700.00

multiple dependent claims

☐ petition fee

☐ patent maintenance fee

☐ first maintenance fee

☐ second maintenance fee

☐ third maintenance fee

☐ patent maintenance fee surcharge

☐ Other

priority document fee

designation fee per country (PCT)

TOTAL REFUND REQUESTED

\$2,700.00

- 2 -

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T. Yoon, et. al
USSN 10/645,312
Attorney Docket No. 58288 (72021)

III. EXPLANATION OF WHY CONTESTED CHARGE IS IN ERROR

On January 23, 2006, Applicant filed an amendment under 37 CRF 1.312 requesting entry of new claims directed to individual species embodied in claims 11 and 26 with a request to charge \$2,70.00 to our Deposit Account No. 04-1105 for the excess claim fees associated with the proposed 1.312 amendment.

Entry of the January 23, 2006 rule 1.312 amendment was denied. Thus, the claims were not entered into the file and not examined. Applicants request a refund for the excess claim fees paid for those claims denied entry into the application.

Thank you in advance for your assistance in this matter.

IV. MANNER OF REFUND

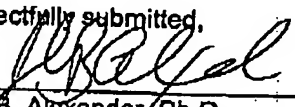
Please make refund by

☒ crediting Account No. 04-1105
☐ refunding payment.

Should you have any questions, please contact the undersigned attorney.

Dated: February 16, 2006

Respectfully submitted,

By 
John B. Alexander, Ph.D.
Registration No.: 48,399

EDWARDS ANGELL PALMER & DODGE LLP
P.O. Box 55874
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Attorneys/Agents For Applicant

Customer No. 21874
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FEB 16 2006**FAX TRANSMISSION****DATE:** February 16, 2006**PTO IDENTIFIER:** Application Number 10/645,312-Conf. #7622
Patent Number**Inventor:** Taeyoung Yoon et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** EDWARDS ANGELL PALMER & DODGE LLP

John B. Alexander, Ph.D.

PHONE: (617) 439-4444**Attorney Dkt. #:** 58288(72021)**PAGES (Including Cover Sheet):** 10**CONTENTS:** Amendment Under 37 C.F.R. 1.312 (5 pages)
Request for Refund (3 pages)
Certificate of Transmission (1 page)

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PTO/SB/97 (08-04)

Approved for use through 07/31/2006. OMB 0851-0031

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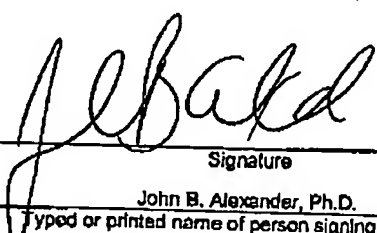
Application No. (if known): 10/645,312

Attorney Docket No.: 58288(72021)

Certificate of Transmission under 37 CFR 1.8

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on February 16, 2006
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Signature

John B. Alexander, Ph.D.

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48,399

Registration Number, if applicable

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Amendment Under 37 C.F.R. 1.312) (5 pages)
Request for Refund (3 pages)

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FEB 16 2006

Docket No.: 58288(72021)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Taeyoung Yoon et al.

Application No.: 10/645,312

Confirmation No.: 7622

Filed: August 20, 2003

Art Unit: 1624

For: 5-SUBSTITUTED-2-ARYLPYRAZINES

Examiner: Z. C. Tucker

SECOND AMENDMENT UNDER 37 C.F.R. 1.312

MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

Prior to issuance of the patent, applicant respectfully requests entry on this amendment under 37 C.F.R. 1.312 for the above-captioned patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

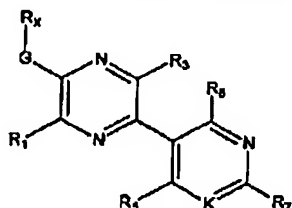
Remarks/Arguments begin on page 5 of this paper.

Application No. 10/645,312
 Amendment dated February 16, 2006
 After Allowance Under 37 C.F.R. 1.312

Docket No.: 58288(72021)

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A compound of the Formula:



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or a pharmaceutically acceptable salt thereof, wherein:

G is oxygen or NH;

R_x is straight or branched chain C₁₋₈alkyl;

R₁ and R₃ are independently selected from hydrogen, cyano, C₁₋₄alkyl, halogen, C₁₋₂haloalkyl,

C₁₋₂haloalkoxy, mono- and di-C₁₋₄alkylamino, C₁₋₄alkoxy, and C₁₋₄alkylthio;

R₅ is hydrogen, halogen, hydroxy, C₁₋₄alkyl, or C₁₋₄alkoxy;

K is N or CH;

R₇ is halogen, cyano, C₁₋₄alkyl, C₁₋₂haloalkyl, C₁₋₂haloalkoxy, mono- and di-C₁₋₄alkylamino, C₁₋₂alkoxyC₁₋₄alkyl, C₁₋₂alkoxycarbonyl, mono- and di-C₁₋₂alkylcarboxamido, -C(=O)NH₂, hydroxyC₁₋₂alkyl, trifluoromethylsulfonyl, 2,2,2-trifluoro-1-hydroxyethyl, or a 4-7 member heterocycloalkyl group containing 1 or 2 atoms independently chosen from N, O, and S;

R₈ is halogen, hydroxy, C₁₋₂alkyl, C₁₋₂alkoxy, or mono- and di-(C₁₋₂alkyl)amino.

2. (Original) A compound or salt according to Claim 1 wherein R₁ and R₃ are not hydrogen.

3-4. (Canceled).

5. (Original) A compound or salt according to Claim 1 wherein G is NH and R_x is 1-ethyl propyl.

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Application No. 10/645,312
Amendment dated February 16, 2006
After Allowance Under 37 C.F.R. 1.312

Docket No.: 58288(72021)

6. (Original) A compound or salt according to Claim 5 wherein R_1 is cyano, methoxy, or methylthio and R_3 is methyl or ethyl.
7. (Original) A compound or salt according to Claim 1 wherein G is oxygen and R_x is 1-ethylpropyl, 1-isopropyl-2-methylpropyl, 1-propylbutyl, or 1-ethylbutyl.
8. (Original) A compound or salt according to Claim 7 wherein R_3 is halogen, C_{1-2} alkyl, or methylamino.
9. (Original) A compound or salt according to Claim 7 wherein R_1 is halogen, methyl, methoxy, ethyl, ethoxy, or C_{1-2} alkylamino.
10. (Original) A compound or salt according to Claim 7 wherein R_1 is methylamino.
11. (Cancelled).
12. (Original) A compound or salt according to Claim 1 wherein, in a standard in vitro CRF receptor binding assay the compound exhibits a K_i value for CRF receptors of less than or equal to 1 micromolar.
13. (Original) A compound or salt according to Claim 1 wherein, in a standard in vitro CRF receptor binding assay the compound exhibits a K_i value for CRF receptors of less than or equal to 100 nanomolar.
14. (Original) A compound or salt according to Claims 1 wherein, in a standard in vitro CRF receptor binding assay, the compound exhibits a K_i value for CRF receptors of less than or equal to 10 nanomolar.

Application No. 10/645,312
Amendment dated February 16, 2006
After Allowance Under 37 C.F.R. 1.312

Docket No.: 58288(72021)

15. (Previously presented) A method for treating anxiety, or depression, comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound or salt according to Claim 1.

16. (Canceled)

17. (Original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound or salt of Claim 1.

18. (Previously presented) A pharmaceutical composition according to Claim 17, wherein the composition is formulated as an injectable fluid, an aerosol, a cream, a gel, a tablet, a capsule, a syrup or a transdermal patch.

19. (Previously presented) A package comprising a pharmaceutical composition of Claim 17 in a container and further comprising indicia comprising at least one of:

instructions for using the composition to treat a patient suffering from anxiety, or
instructions for using the composition to treat a patient suffering from depression.

20-26. (Canceled).

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Application No. 10/645,312
Amendment dated February 16, 2006
After Allowance Under 37 C.F.R. 1.312

Docket No.: 58288(72021)

REMARKS

Applicants appreciate the courtesy extended by Examiner Tucker during the telephonic interview conducted today in connection with the refusal of entry of the first amendment under 1.312 filed January 23, 2006 in connection the instant application.

Claims 1, 2, 6-10, 12-15, and 17-19 are pending after entry of the instant amendment. Claims 11 and 26 have been cancelled without prejudice or disclaimer by the instant amendment. Applicant reserves the right to pursue the subject matter of the cancelled claims in one or more continuation applications.

If it is determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

In the event the U.S. Patent and Trademark Office determines that an extension is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 04-1105 referencing docket no. 58288(72021).

Dated: February 16, 2006

Respectfully submitted,

By

John B. Alexander, Ph.D.

Registration No.: 48,399

EDWARDS ANGELL PALMER & DODGE LLP

P.O. Box 55874

Boston, Massachusetts 02205

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Attorneys/Agents For Applicant

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PATENT APPLICATION

Response under 37 C.F.R. 1.116 –
Expedited Procedure – Examining Group Art Unit 2633

Attorney Docket No: 881-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Robert R. Alfano et al.

GROUP ART UNIT: 2633

APPLN NO: 10/116,194

EXAMINER: Bello, Agustin

FILING DATE: April 4, 2002

DATED: December 21, 2005

FOR: METHODS OF IMPROVING LINE OF SIGHT
WIRELESS OPTICAL COMMUNICATION THROUGH
ADVERSE ENVIRONMENTAL CONDITIONS

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P. O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 C.F.R. 1.116

Sir:

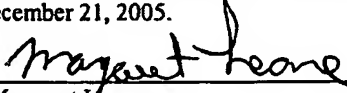
In response to the Office Action of the United States Patent and Trademark Office dated September 21, 2005, please consider the following amendments and remarks.

Adjustment Date: 03/23/2006 SDIRETA1
01/27/2006 MAHRED1 00000003 041105 10645312
01 FC:2202 2700.00 CR

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Dated: December 21, 2005


Margaret Leone



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PATENT APPLICATION
Attorney Docket: 881-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Robert R. Alfano et al.

Examiner: Bello, Agustin

Serial No.: 10/116,194

Group: Art Unit: 2633

Filed: April 4, 2002

Dated: December 21, 2005

For: METHODS OF IMPROVING LINE OF SIGHT
WIRELESS OPTICAL COMMUNICATION
THROUGH ADVERSE ENVIRONMENTAL CONDITIONS

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT TRANSMITTAL FORM

Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status of this application under 37 C.F.R. "1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement to establish small entity under 37 C.F.R. "1.9 and 1.27 is enclosed.
- ☒ No additional fee is required.

For	Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate (Small Entity)	Addit. Fee	Rate (Large Entity)	Addit. Fee
TOTAL CLAIMS*	30	30	0	x 25 =	\$0.00	x 50 =	\$0.00
INDEPENDENT CLAIMS	2	3	0	X100 =	\$0.00	x200 =	\$0.00
<input type="checkbox"/> First Presentation of Multiple Dep. Claim				180.00		360.00	\$0.00

* If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.

** If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".


*** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

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Dated: December 21, 2005


Margaret Leone

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- ☐ Please charge Deposit Account No. 04-1121 in the amount of \$____. Two (2) copies of this sheet are enclosed.
- ☐ A check in the amount of \$____ is enclosed.
- ☒ Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. "1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. A DUPLICATE OF THIS SHEET IS ENCLOSED.

Respectfully submitted,



Paul J. Farrell
Reg. No. 33,494
Attorney for Applicant(s)

DILWORTH & BARRESE, LLP
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